



Decade Resistance PCB 0Ω-1MΩ

Part number 120065

This decade resistance PCB is capable of providing 0Ω-1MΩ of resistance at 1% accuracy in increments of 1Ω. The PCB measures 3.4"W by 2.5"L. The PCB comes with 3 different ways to hook up your wires: male 0.1" header, female 0.1" header, and a flying lead spring cage connection (Figure 2).

The Decade Resistance PCB consists of the following key components:

- Rotary Switches 1 POL 10 POS D SHAFT (PN# SR2513F-0110-19F0A-T-N, Alpha)
 - http://www.taiwanalpha.com/english/p_e_144.htm
- Knobs SOFT TCH D SH GY/YL (PN# 450-4662, Eagle Plastic Devices)
 - <http://www.mouser.com/catalog/specsheets/EPD-200220.pdf>
- Spring Cage Fixed Terminal Blocks PTS 1,5/ 2-5,0-H (PN# 1792863, Phoenix Contact)
 - <http://www.phoenixcontact.com>

EagleCAD schematics (Figure 3) and PCB files are available for download at www.Atlanta-Robotics.com

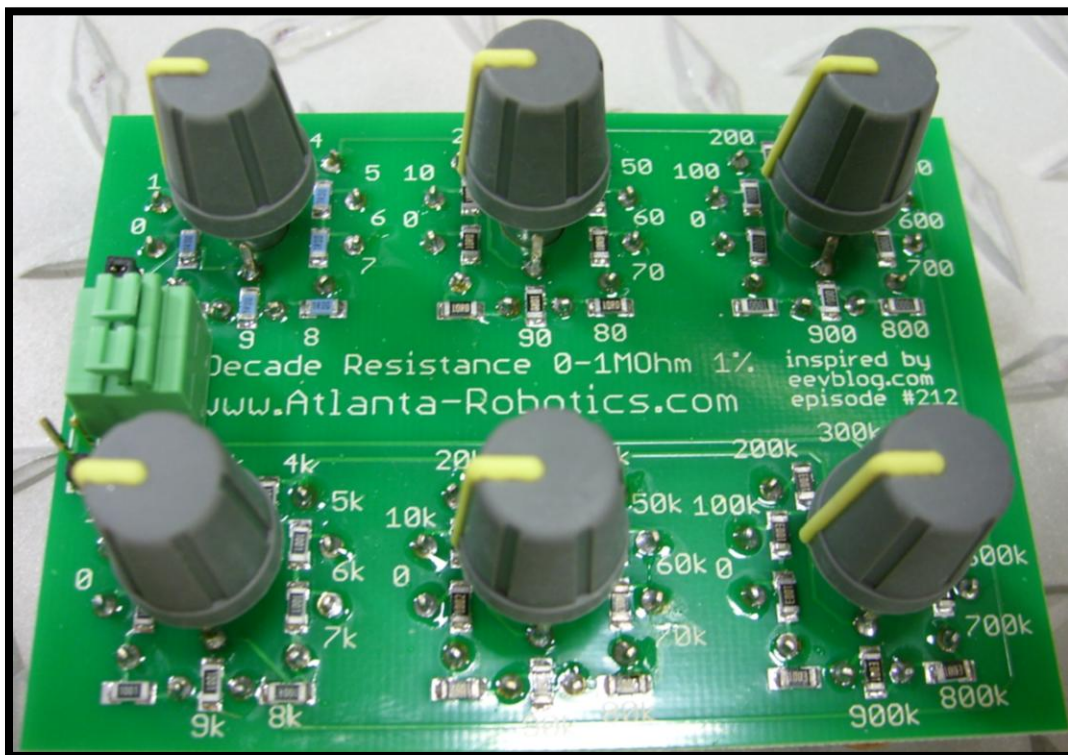


Figure 1

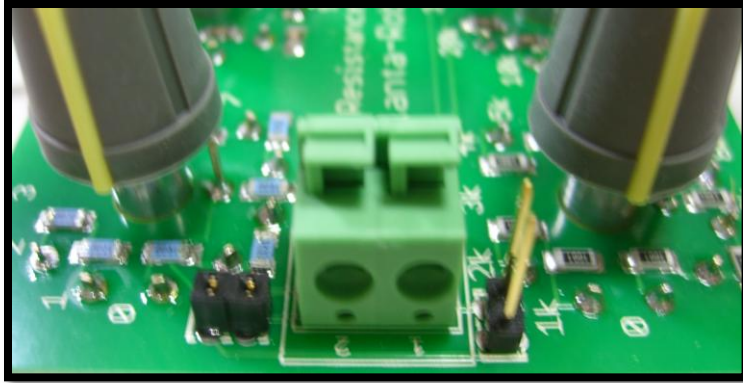


Figure 2: Connector choices

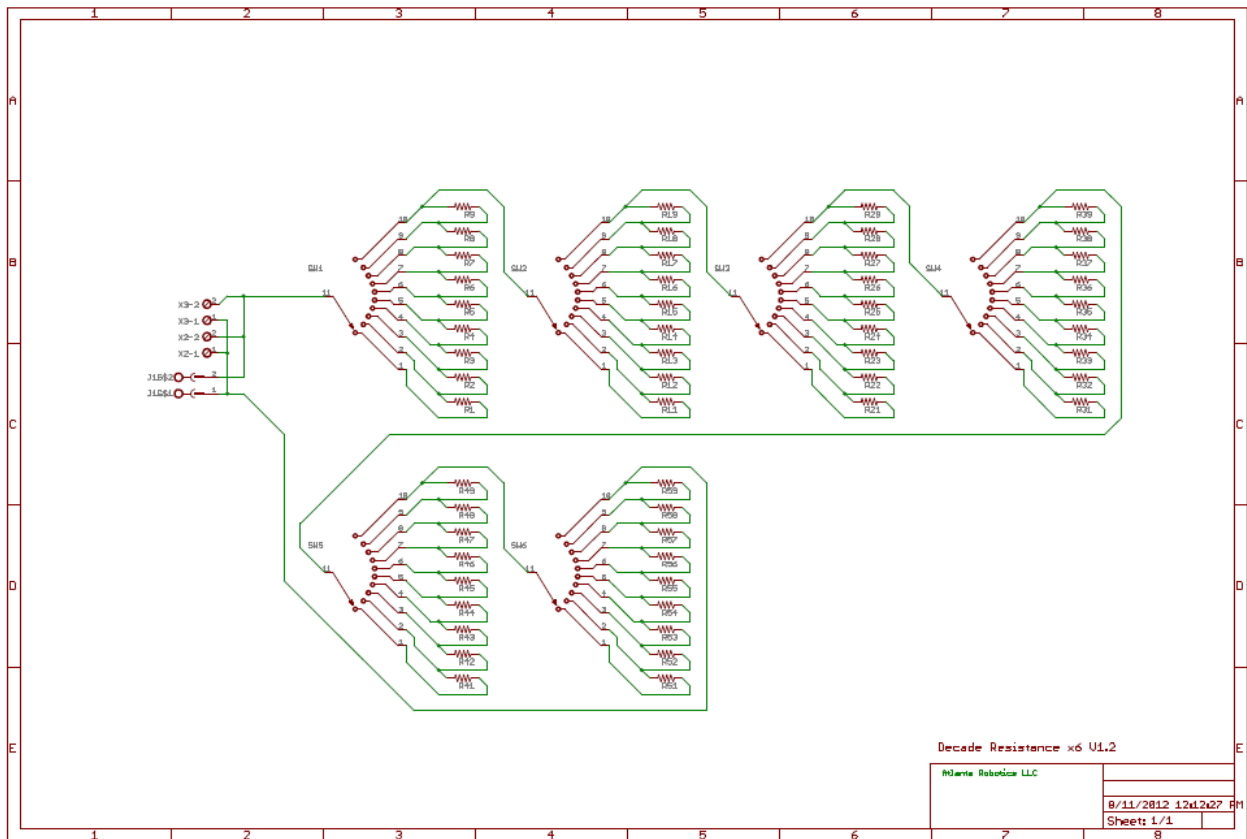


Figure 3: EagleCAD Schematic